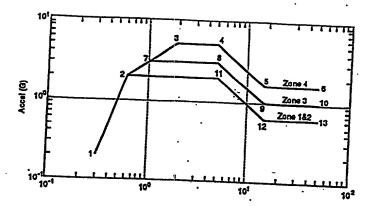


Earthquake Synthesized Waveform - VERTEOII

FIG IA



Coordinate Point	Frequency	Values for Upper Floor Acceleration (g)	Coordinate Point	Frequency (Hz)				
	Zones 1	and 2			Acceleration (g)			
1	1 0.3 0.2			Zone 4				
2	0.6			0.3	0.2			
11		2.0	2	0.6	2.0			
	5.0	2.0	3	2.0	5.0			
12	15.0	0.6	4	5.0				
13	50.0	0.6	5		5.0			
	Zone			15.0	1.6			
1			6	50.0	1.6			
	0.3	0.2						
2	0.6	2.0						
7	1.0	3.0						
8	5.0	3.0	 -					
9	15.0	1.0						
10	50.0	1.0						

Fig 1B

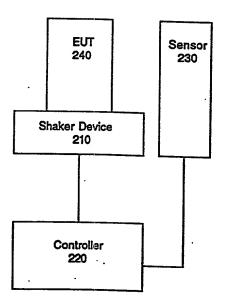


FIG 2

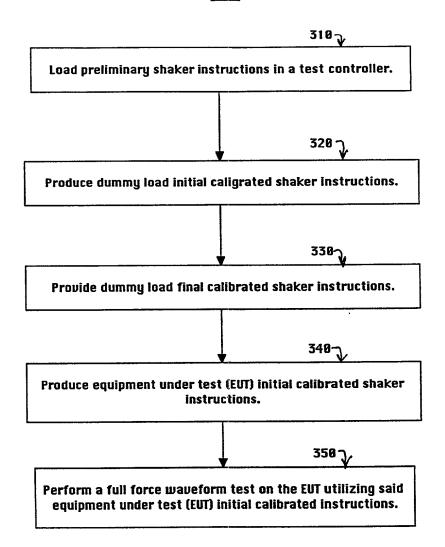
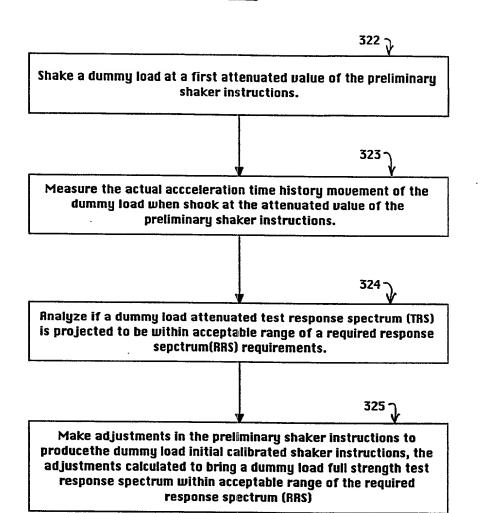


FIG. 3A



H

333 -

Measure the actual acceleration time history movement of the dummy load when shook at the full strength value of the dummy load initial calibrated shaker instructions.

334 -

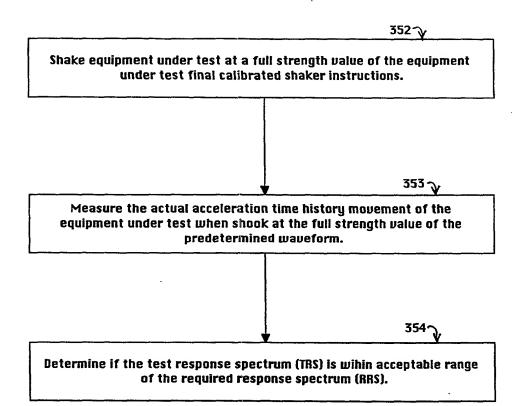
Determine if the dummy load full strength test response spectrum (TRS) is within an acceptable range of the required response spectrum (RRS).

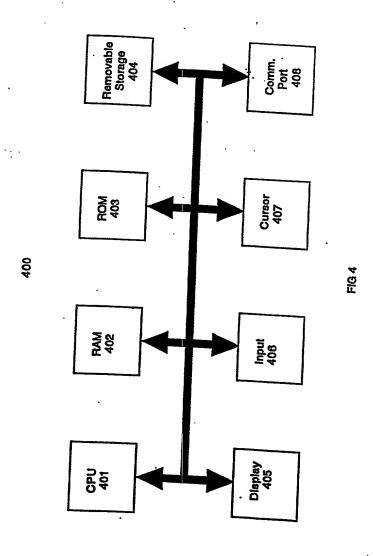
335 -

Make adujustments in the dummy load initial calibrated shaker instructions to produce the dummy load final calibrated shaker instructions, the adjustments calculated to brnig a test respons spectrum (TRS) within an acceptable range of the required response spectrum (RRS).

3427 Shake equipment under test at a second attenuated value of the dummy load final calibrated shaker instructions. Measure the actual acceleration time history movement of the equipment under test when shook at the attenuated value of the predetermined waveform. Determine if the equipment under test attenuated test response spectrum (TRS) is within an acceptable range of the required repsonse spectrum (RRS). 345 Make adjustments to the dummy load final calibrated shaker instructions to produce the equipment under test attenuated shaker instructions if

the dummy load full strength test response spectrum (TRS) is not within an acceptable range of the required response spectrum (RRS).





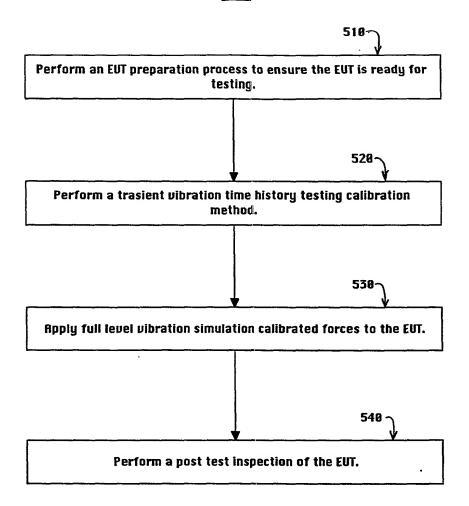


FIG 5

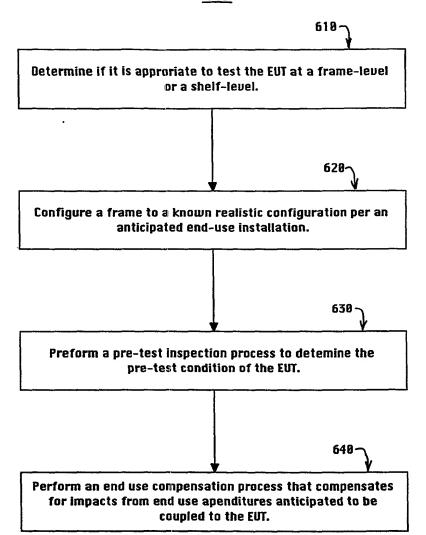


FIG 6

. Test Parameter	Performance Criteria	Test Tolerance
VERTEQII waveform	TRS shall meet or exceed RRS	IRS less than 30%
Acceleration	synthesized waveform 1.6 (peak for 30 seconds	G's Not Applicable
data sample rate.	200 Hz	
est frame system		Not Applicable
weight	435 lbs (approximately)	+/- 5%
oad-cell torque	up to 65 ft-lbs .	+/- 1 ft-lb
Displacement rack top)	76.2 mm maximum	#-5 mm

FIG 7

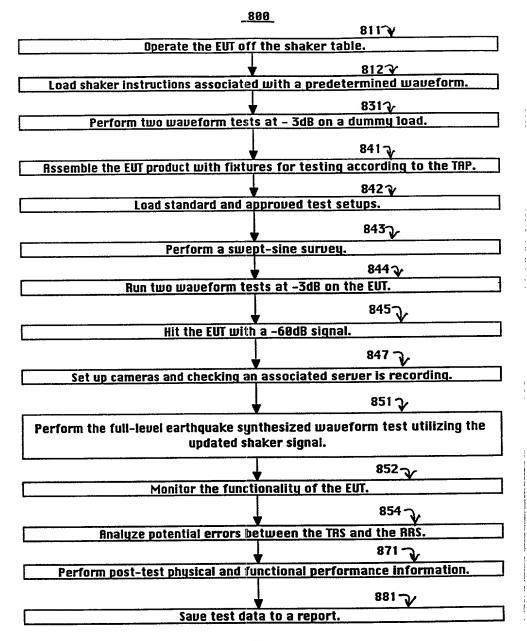


FIG 8

Test	T:	
Parameter	Performance Criteria	. Test Tolerance
Frequency Range	11 to EA 77	
Sweep Rate	-1.0 octave/minute	Not Applicable
Acceleration	0.2 G's	Not Applicable
data sample rate .		+/- 0.02 G's
test frame system weight	200 Hz	Not Applicable
The Manue System Weight	435 lbs (approximately)	H-5%

FIG.9

: Model #	Code	Nam	e Busin	iece Ti-	it BU	
	<u> -</u>				50	
Date	Vert	cel	Front	to-Bac	k Side	do CT.
Time					F	10-210
Test Engineer or Technician	 				 	<u> </u>
Frequency (Hz)	<u> </u>					
EUT Resonant Frequency (Hz)		\dashv			<u> </u>	·
Peak Acceleration Response at the top of the Frame (G)						
Sisplacement (inches or mm)		4			•	
Joors, Covers, Panels		-				
Tacks, Buckles, Visual	. •	十				
olt or Anchor Torque values		+	·			
oad Cell values (lb, all 4)		1		1		
Status during the Test		+				
agnostic or software action during the Test		+		1		
mments	<u>:</u> _	_				

FIG 10